

WHAT IS CLAIMED IS:

1. A document forgery protection printing method, comprising:  
processing an image of a document including at least one page;  
5 determining a forgery protection level to be applied to the document;  
and

based on the determined protection level, printing at least one  
watermark including copy evidence and tracing information on each page of the  
document that corresponds to the determined protection level.

- 10 2. The method of claim 1, wherein the copy evidence is encoded in the  
watermark.

3. The method of claim 1, wherein the copy evidence varies with each  
page of the document.

- 15 4. The method of claim 3, wherein the watermark comprises the contents  
of each page printed using at least one of invisible fluorescing toner and invisible  
fluorescing ink and is offset from the visible contents of each page.

5. The method of claim 4, wherein the tracing information is digitally  
signed and encoded in a glyph and printed using at least one of invisible fluorescing  
toner and invisible fluorescing ink and located in a margin of each page.

- 20 6. The method of claim 1, wherein the watermark comprises random  
generated patterns printed using at least one of invisible fluorescing toner and  
invisible fluorescing ink.

7. The method of claim 6, wherein the randomly generated patterns are  
digitally signed and encoded in a glyph. <sup>code</sup>

- 25 8. ~~The method of claim 1, wherein the watermark is printed using at least  
one of fluorescing black toner and fluorescing black ink.~~

9. The method of claim 8, wherein the tracing information is encoded in  
the watermark.

- 30 10. ~~The method of claim 1, wherein the watermark comprises of fixed  
portions of each page printed using at least one of fluorescing black toner and  
fluorescing black ink.~~

11. The method of claim 1, wherein the watermark comprises random portions of each page printed using at least one of fluorescing black toner and fluorescing black ink.

12. The method of claim 11, wherein a random pattern used to determine the random portions of each page is encrypted and encoded in a glyph.

13. The method of claim 1, wherein the watermark comprises content dependent portions of each page printed using at least one of fluorescing black toner and fluorescing black ink.

14. A document forgery protection printing system, comprising:  
 at least one image processor that processes an image of document including at least one page;  
 at least one server having a print management system and a policy that determines a forgery protection level for the document;  
 a plurality of printers, each printer able to print the document and able to apply at least one protection level to the document by printing at least one watermark including copy evidence and tracing information on the document that corresponds to the determined protection level.

15. The document forgery protection printing system of claim 14, wherein the copy evidence is encoded in the watermark.

16. The method of claim 14, wherein the copy evidence varies with each page of the document.

17. The method of claim 16, wherein the watermark comprises the contents of each page printed using at least one of invisible fluorescing toner and invisible fluorescing ink and is offset from the visible contents of each page.

18. The method of claim 17, wherein the tracing information is digitally signed and encoded in a glyph and printed using at least one of invisible fluorescing toner and invisible fluorescing ink and is located in a margin of each page.

19. The method of claim 14, wherein the watermark comprises random generated patterns printed using at least one of invisible fluorescing toner and invisible fluorescing ink.

20. The method of claim 19, wherein the randomly generated patterns are digitally signed and encoded in a glyph.

21. The method of claim 14, wherein the watermark is printed using at least one of fluorescing black toner and fluorescing black ink.

22. The method of claim 21, wherein the tracing information is encoded in the watermark.

5           23. The method of claim 14, wherein the watermark comprises of fixed portions of each page printed using at least one of fluorescing black toner and fluorescing black ink.

10           24. The method of claim 14, wherein the watermark comprises random portions of each page printed using at least one of fluorescing black toner and fluorescing black ink.

25. The method of claim 24, wherein a random pattern used to determine the random portions of each page is encrypted and encoded in a glyph. <sup>code</sup>

15           26. The method of claim 14, wherein the watermark comprises content dependent portions of each page printed using at least one of fluorescing black toner and fluorescing black ink.

SECRET A